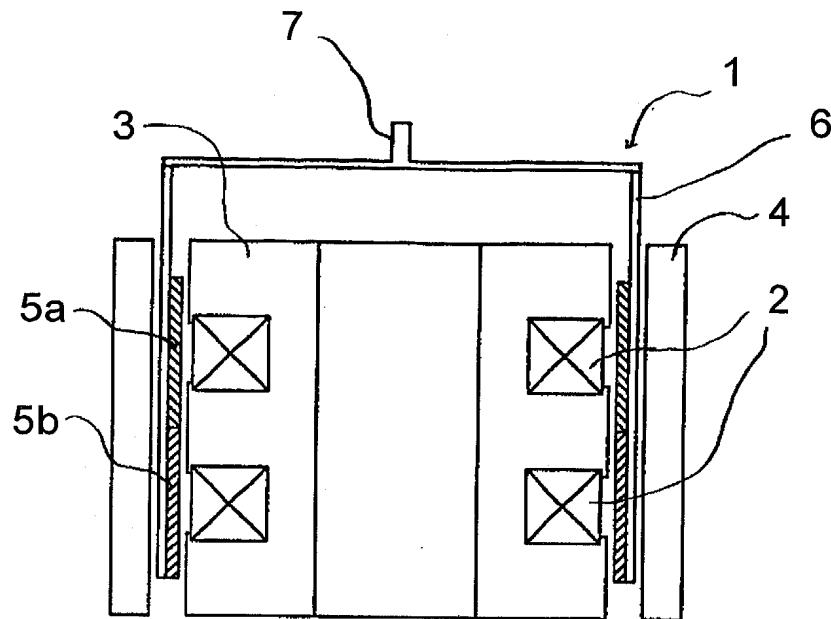
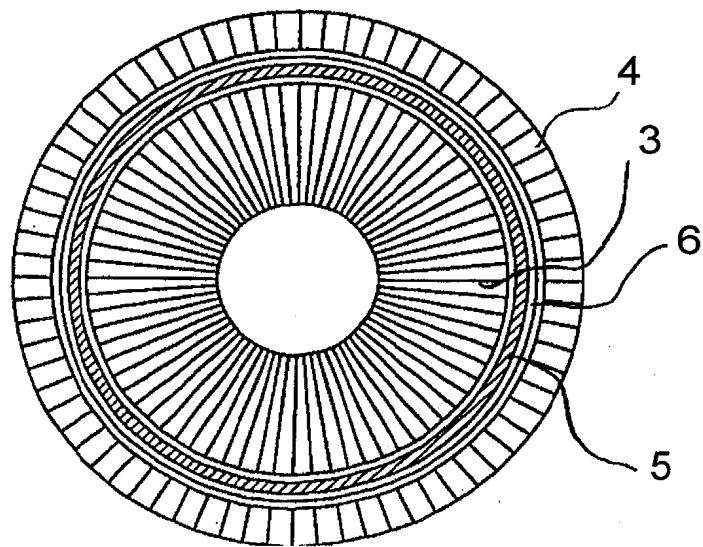
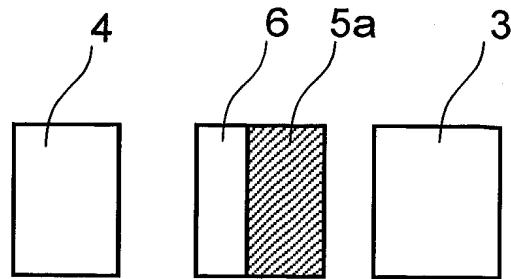


**Fig.1**

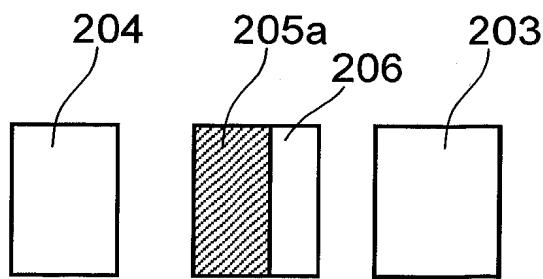
( a )



( b )

**Fig.2**

( a )

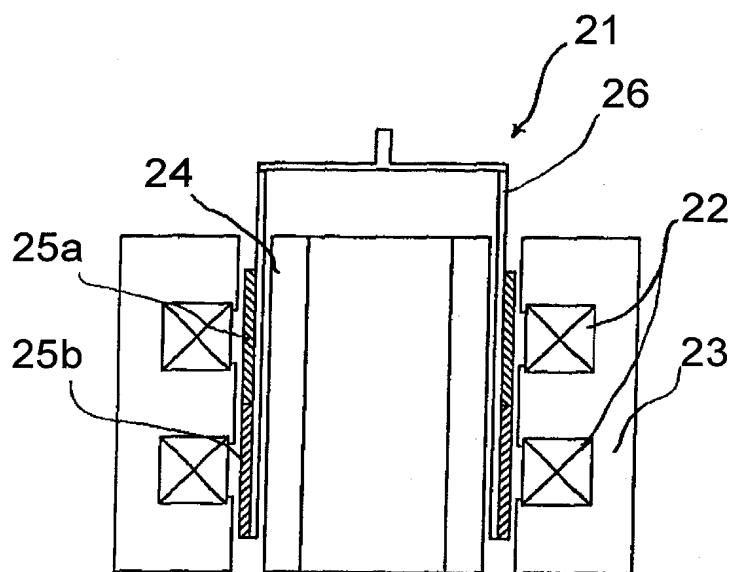


( b )

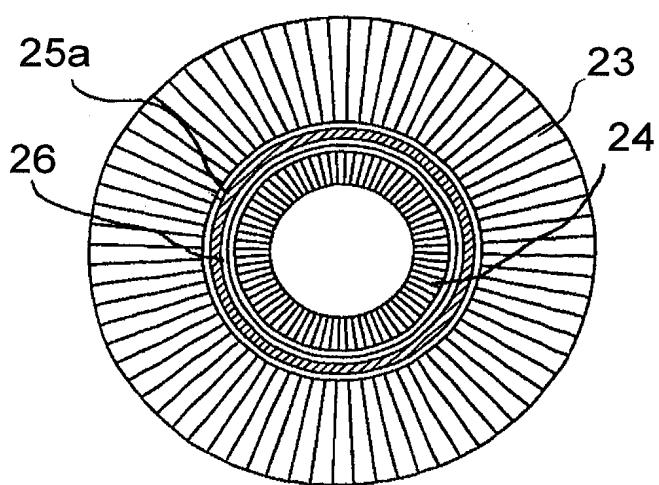
09/719663

3/19

**Fig.3**



( a )

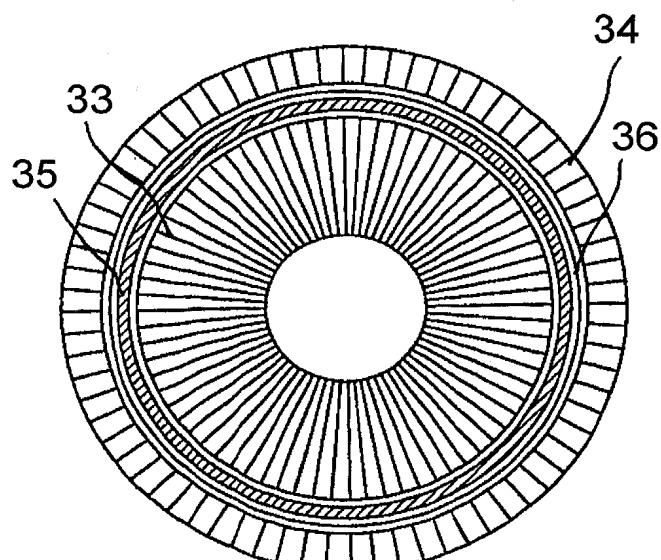
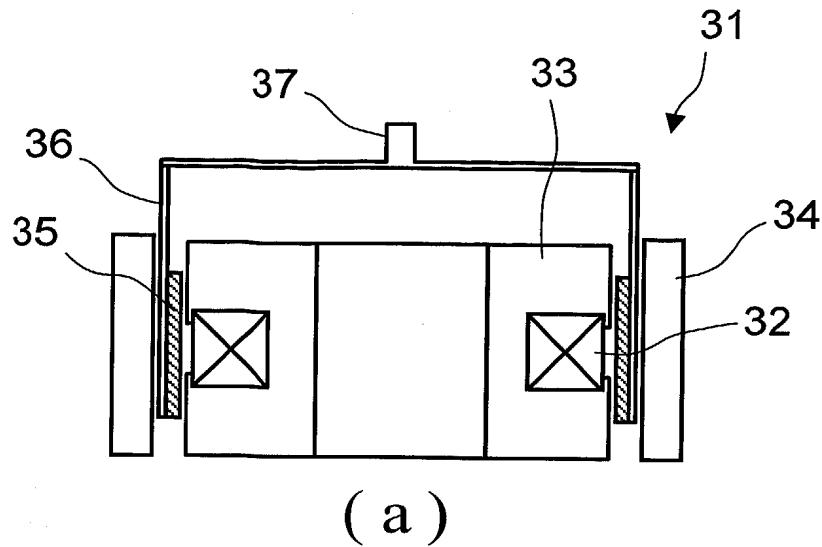


( b )

09/719663

4/19

**Fig.4**

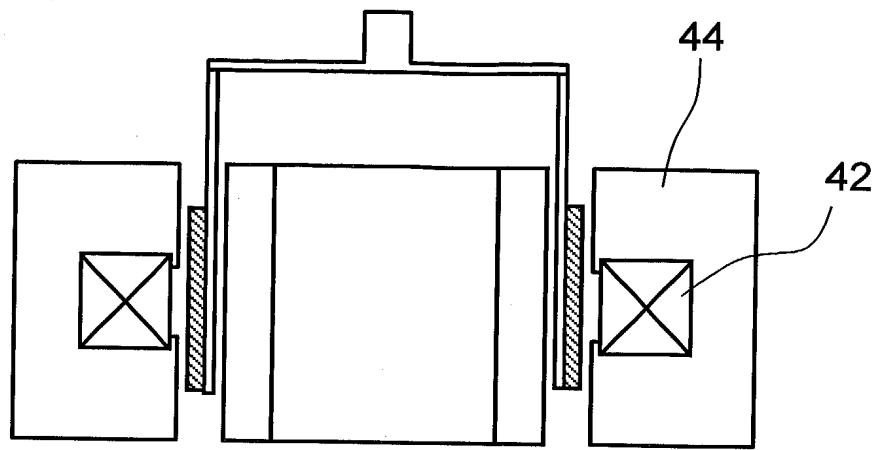


( b )

09/719663

5/19

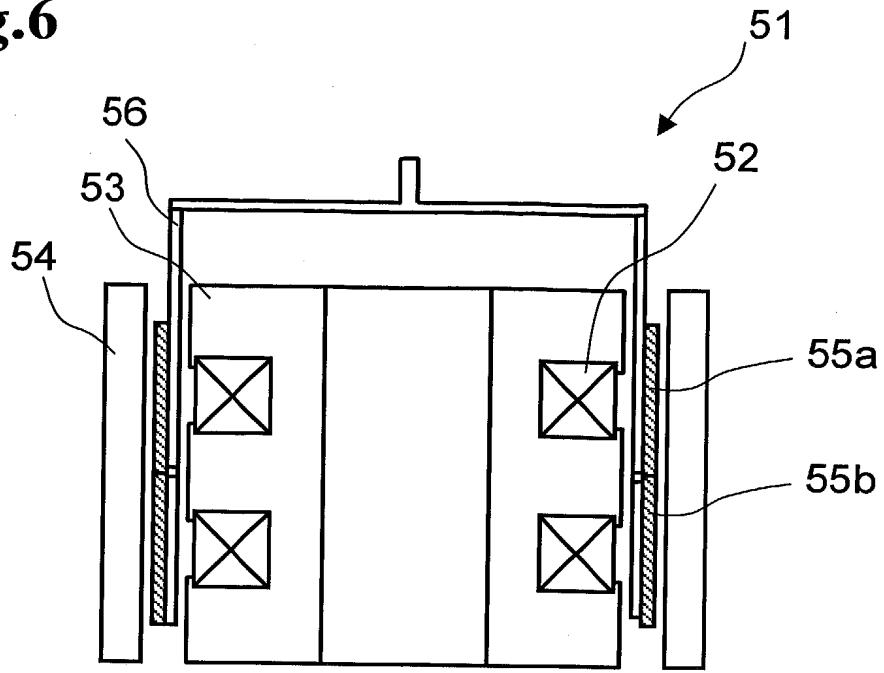
**Fig.5**



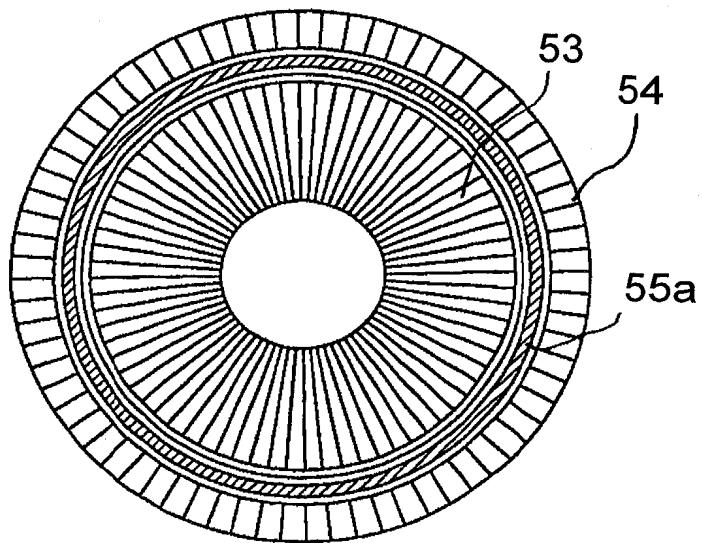
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6/19

**Fig.6**



( a )

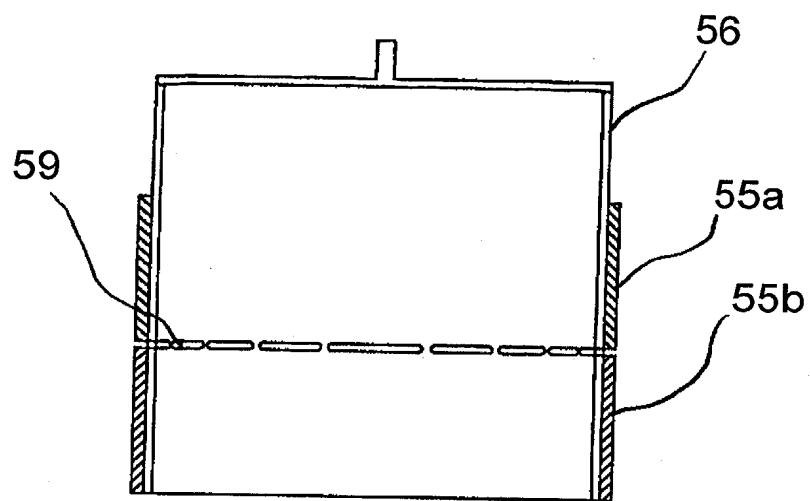


( b )

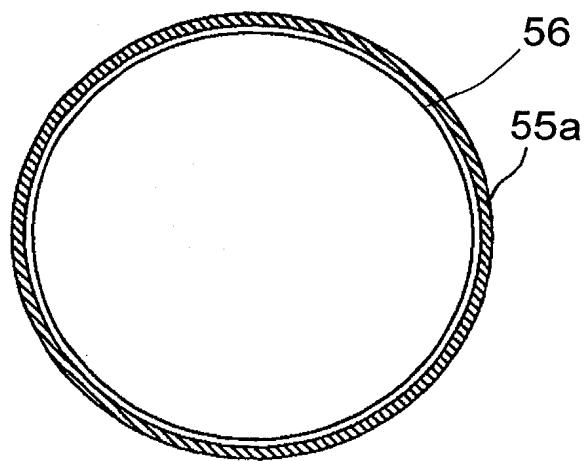
09/719663

7/19

Fig.7



( a )

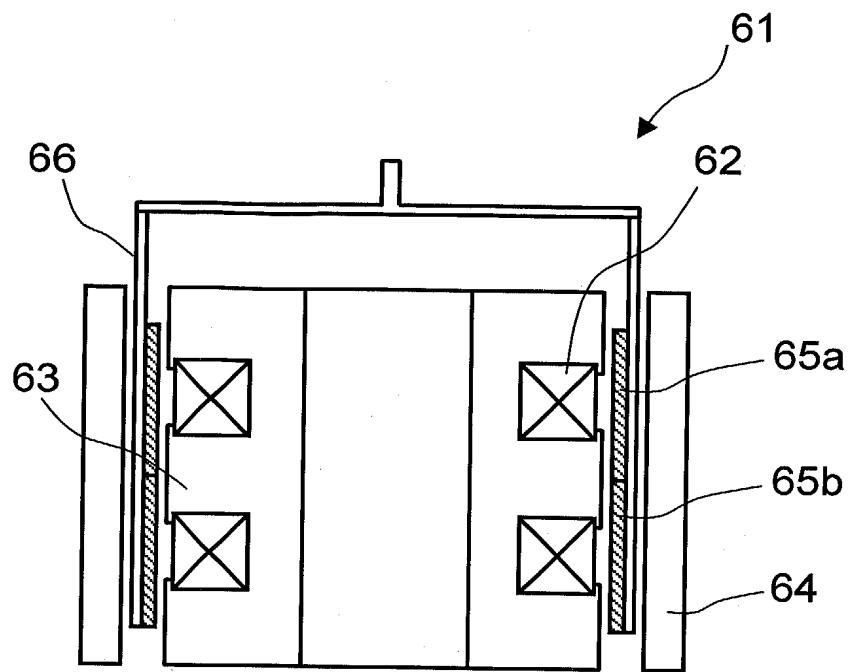


( b )

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8/19

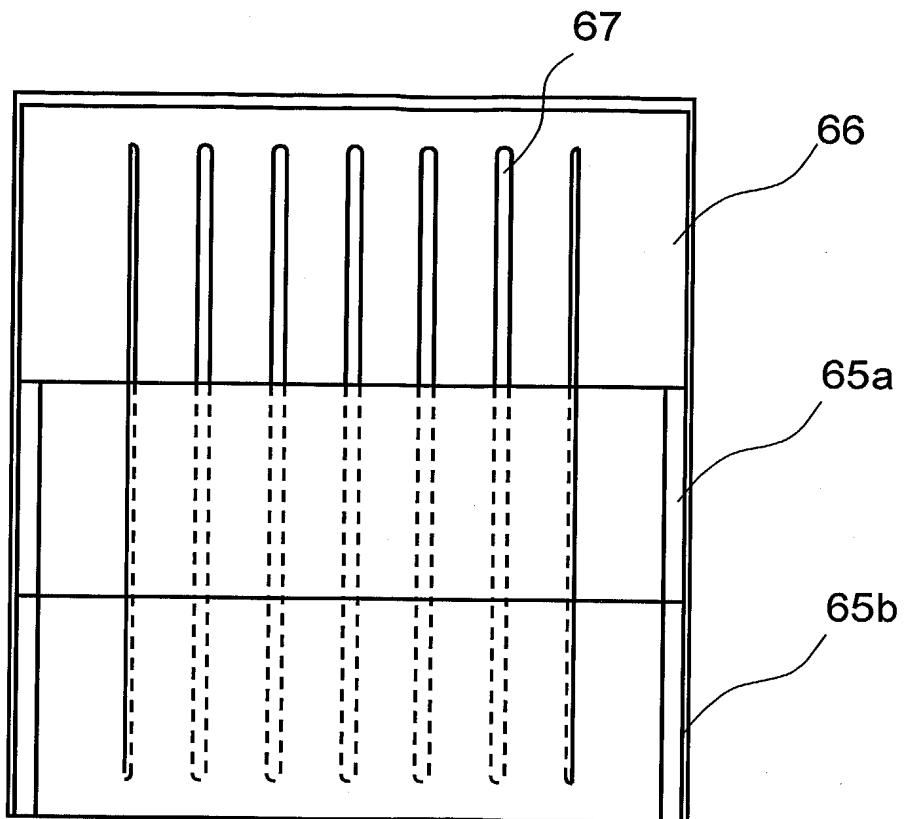
**Fig.8**



09/719663

9/19

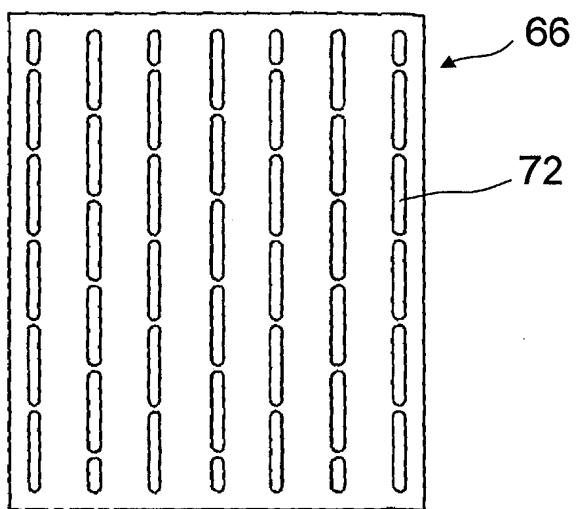
**Fig.9**



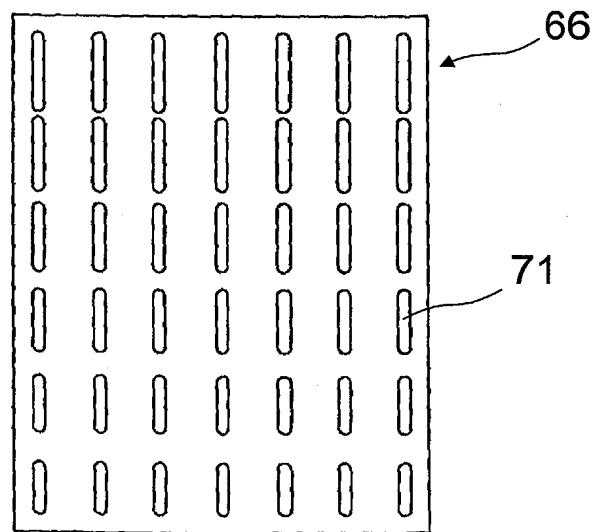
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10/19

**Fig.10**



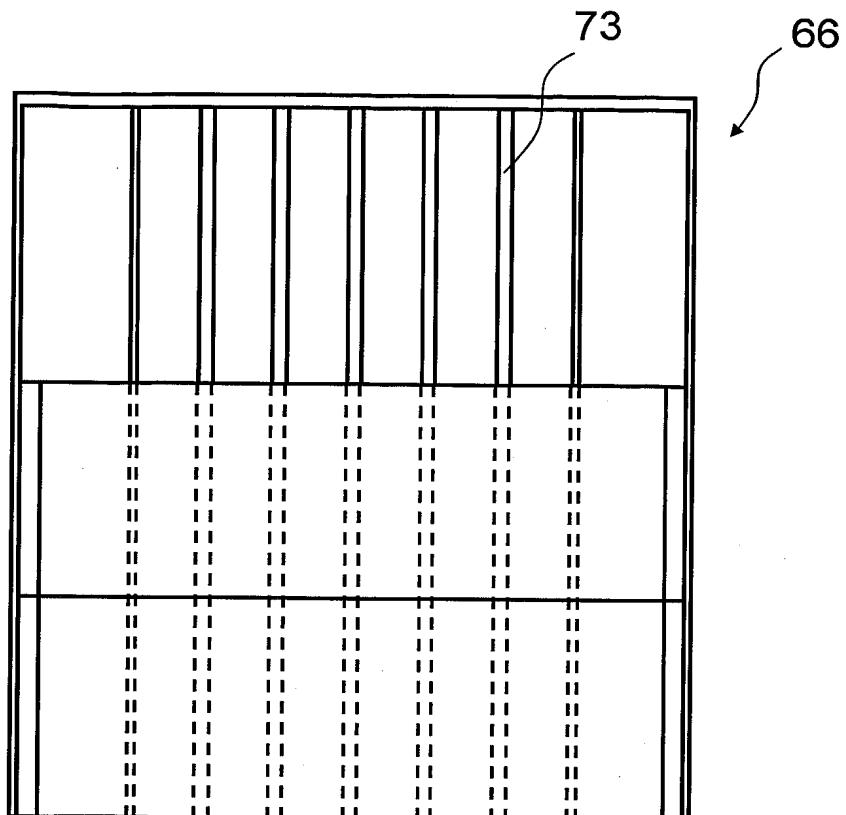
**Fig.11**



09/719663

11/19

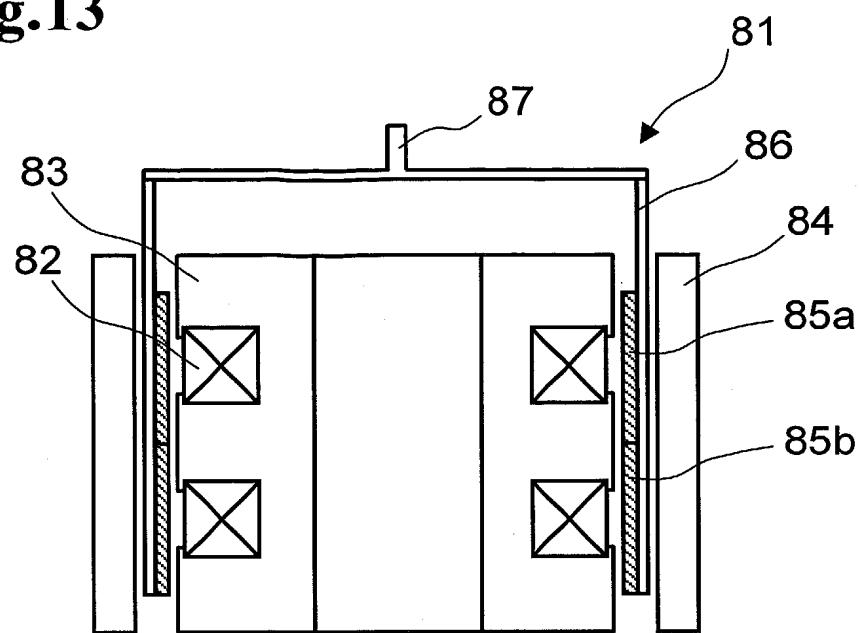
Fig.12



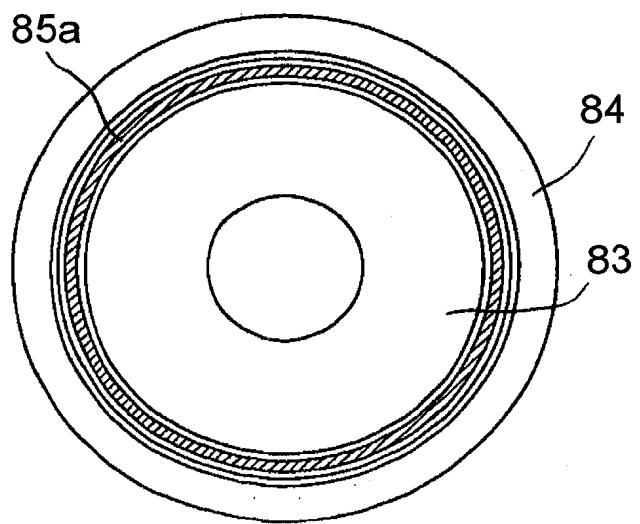
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12/19

**Fig.13**



( a )

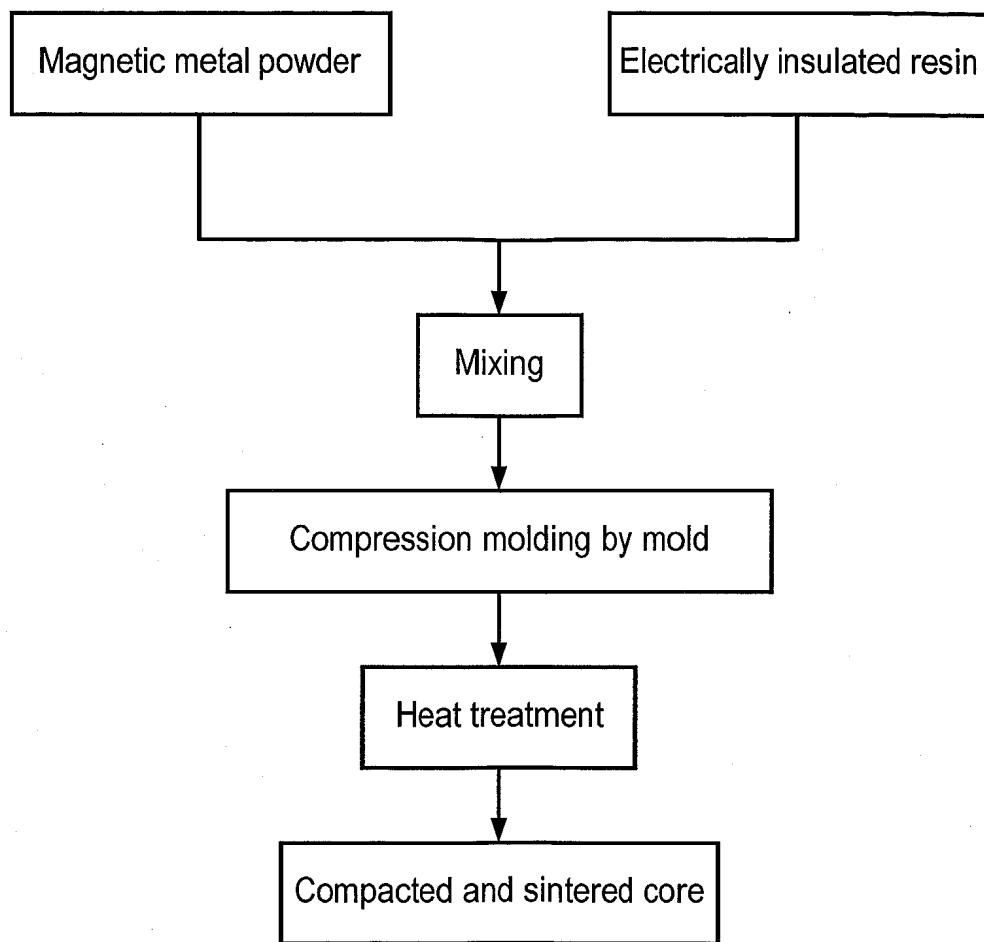


( b )

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13/19

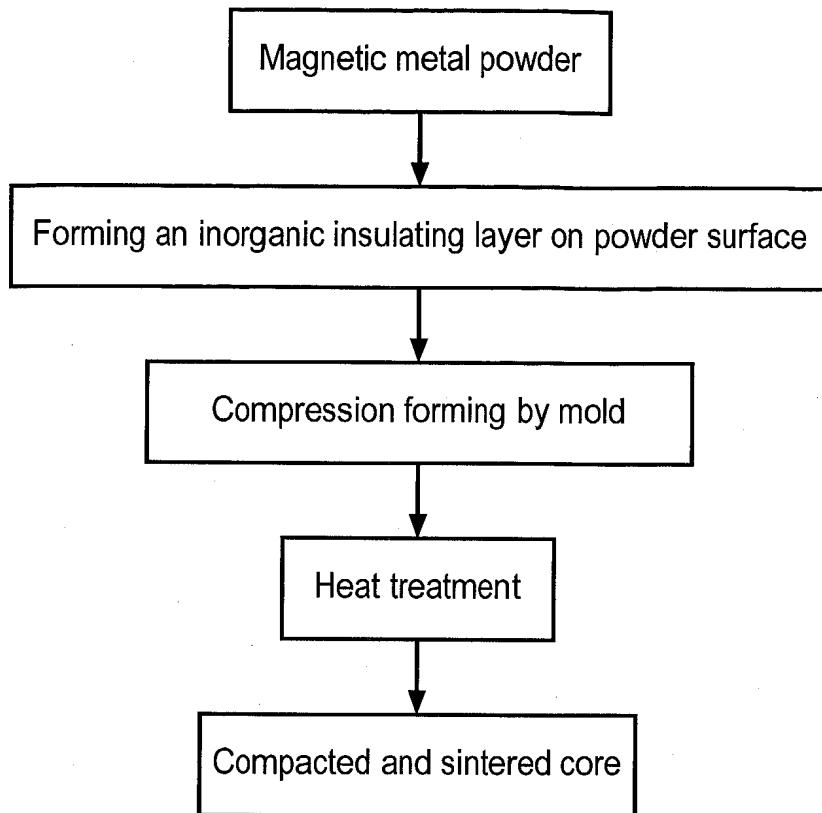
**Fig.14**



09/719663

14/19

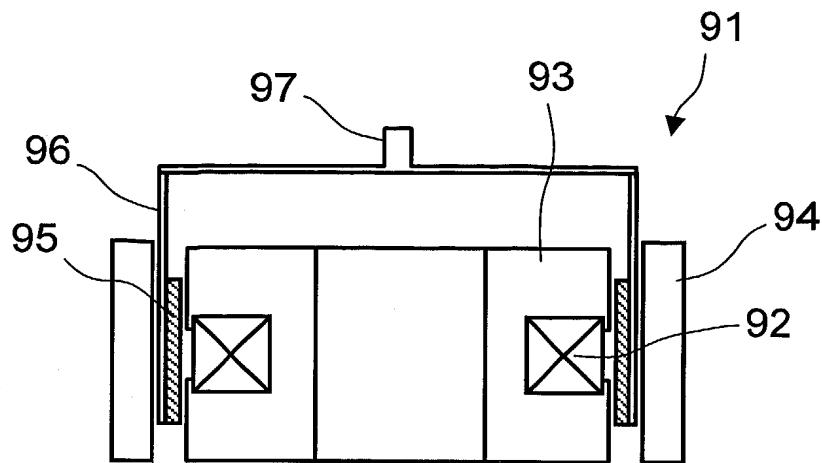
**Fig.15**



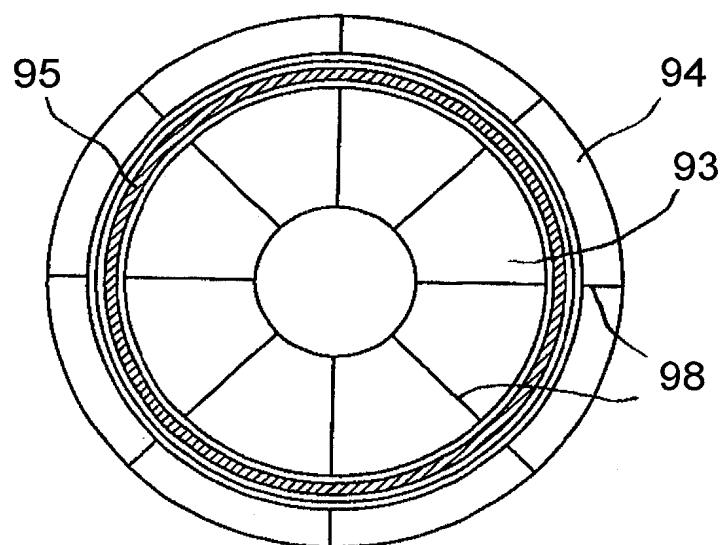
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15/19

**Fig.16**



( a )

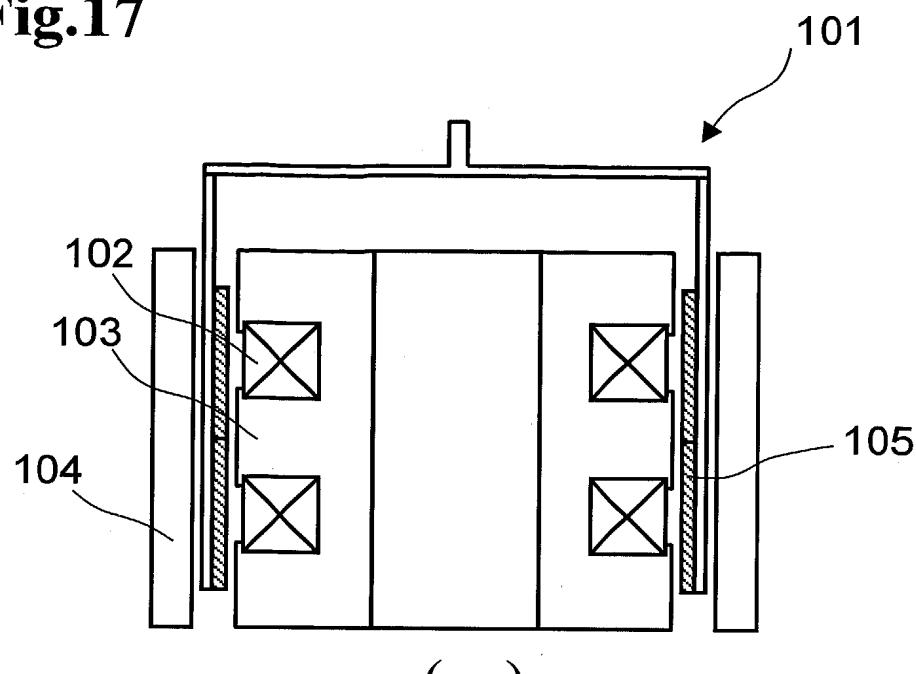


( b )

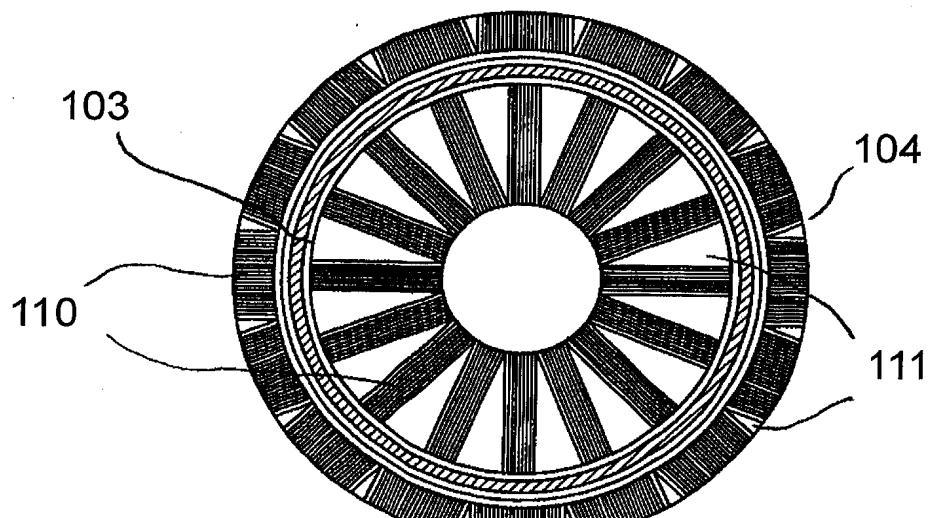
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16/19

**Fig.17**



( a )

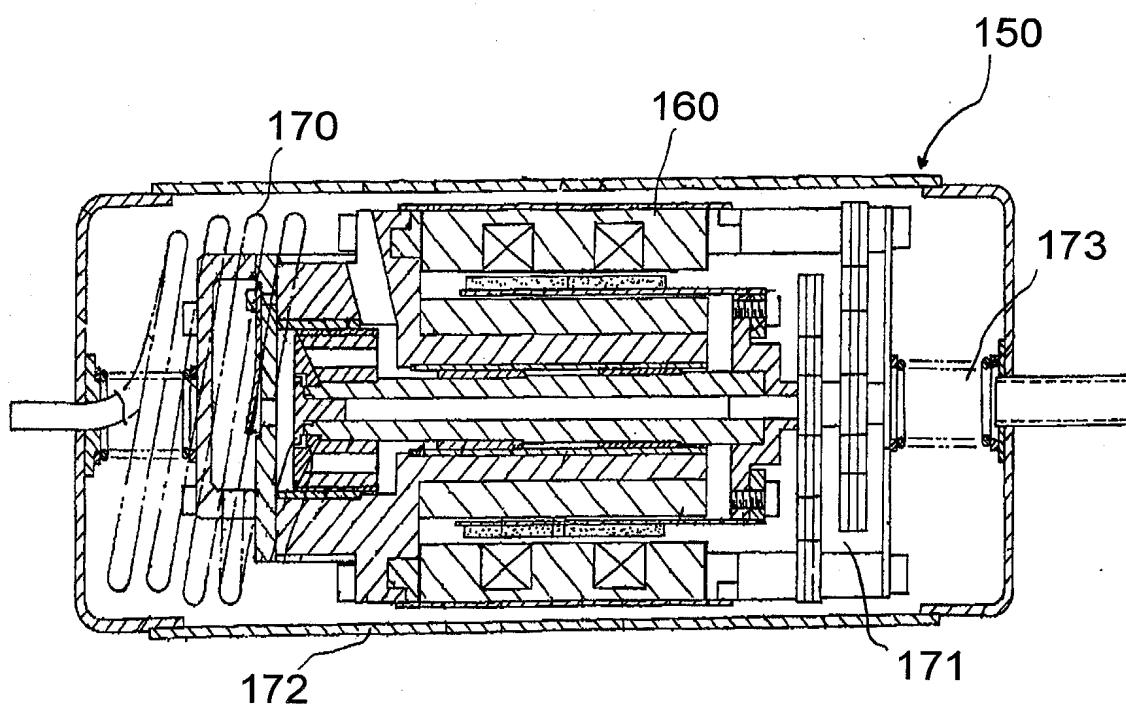


( b )

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17/19

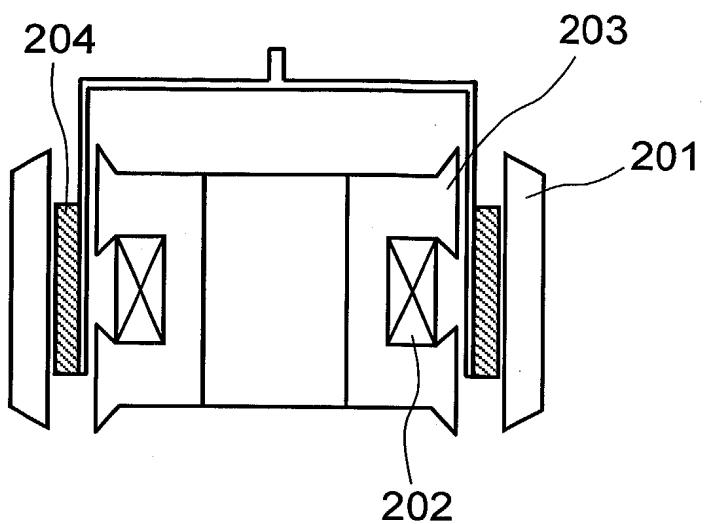
**Fig.18**



09/719663

18/19

**Fig.19**



09/719663

19/19

Reference numerals in the drawings

- 1 Linear motor
- 2 Coil
- 3 Inner yoke
- 4 Outer yoke
- 5a,5b Permanent magnet
- 6 Vibrator